

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092625\
 Data File : VV039216.D
 Acq On : 26 Sep 2025 16:28
 Operator : SY/MD
 Sample : Q3195-17
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-31D-091825-FD

Quant Time: Sep 29 07:52:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

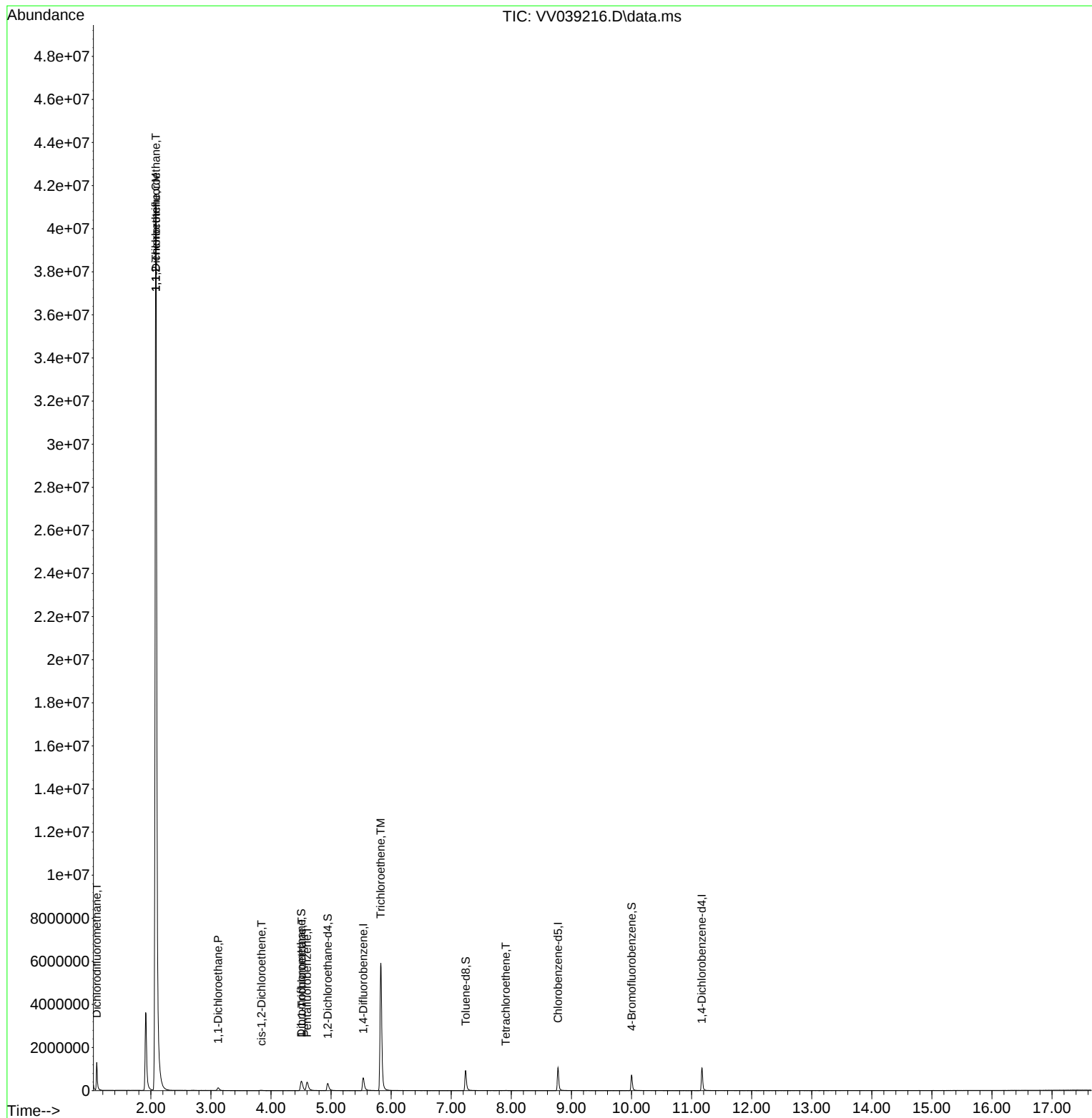
Internal Standards						
1) Pentafluorobenzene	4.600	168	333282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	591720	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	612863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	282611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	297286	61.632	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 123.260%#	
35) Dibromofluoromethane	4.503	113	277907	58.421	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 116.840%	
50) Toluene-d8	7.240	98	687399	49.201	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 98.400%	
62) 4-Bromofluorobenzene	10.002	95	248948	43.284	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 86.560%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.098	85	166827	31.621	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.082	101	18130416	3471.017	ug/l	98
12) 1,1-Dichloroethene	2.082	96	134462	26.759	ug/l #	72
24) 1,1-Dichloroethane	3.121	63	143864	13.698	ug/l	98
27) cis-1,2-Dichloroethene	3.841	96	7783	1.319	ug/l	85
32) 1,1,1-Trichloroethane	4.513	97	121055	12.750	ug/l	97
44) Trichloroethene	5.828	130	2270715	420.172	ug/l	99
64) Tetrachloroethene	7.908	164	2091	0.407	ug/l #	83

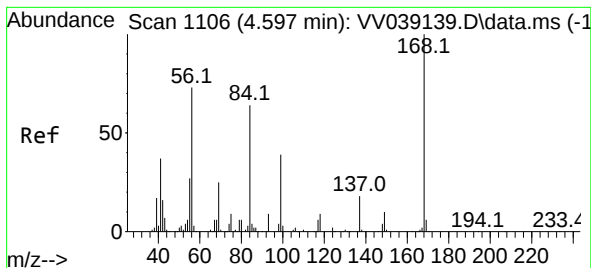
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.600 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV039216.D

Acq: 26 Sep 2025 16:28

Instrument :

MSVOA_V

ClientSampleId :

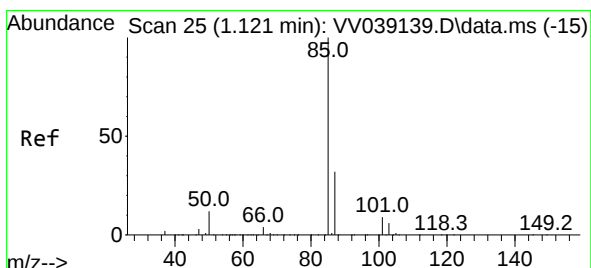
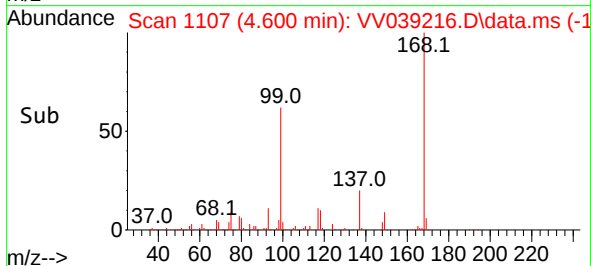
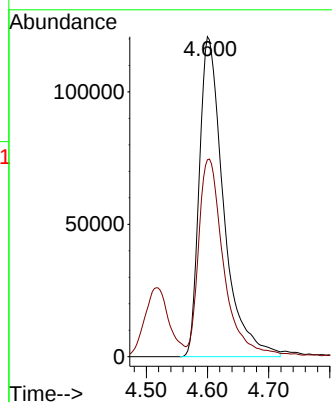
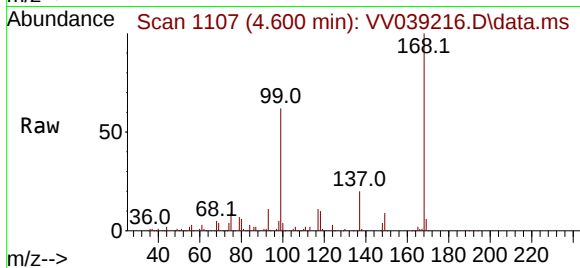
MW-31D-091825-FD

Tgt Ion:168 Resp: 333282

Ion Ratio Lower Upper

168 100

99 60.5 49.6 74.4



#2

Dichlorodifluoromethane

Concen: 31.621 ug/l

RT: 1.098 min Scan# 18

Delta R.T. -0.022 min

Lab File: VV039216.D

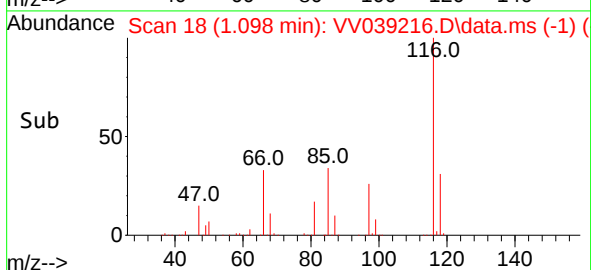
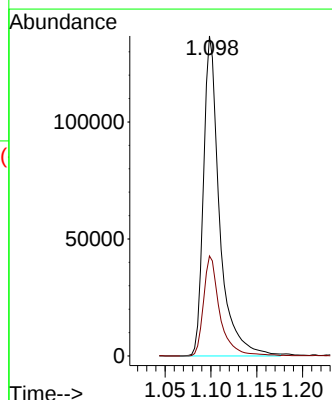
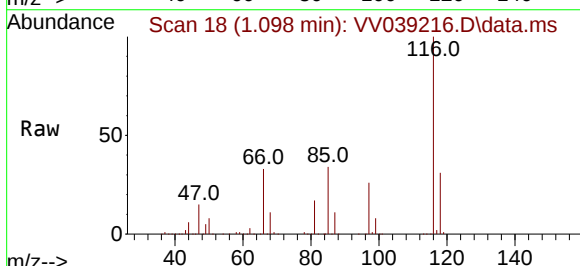
Acq: 26 Sep 2025 16:28

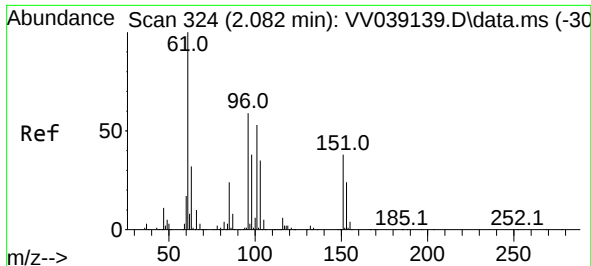
Tgt Ion: 85 Resp: 166827

Ion Ratio Lower Upper

85 100

87 31.3 16.0 47.9

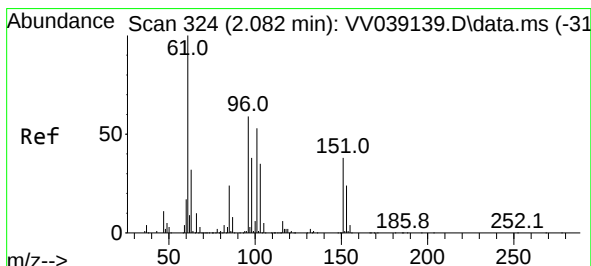
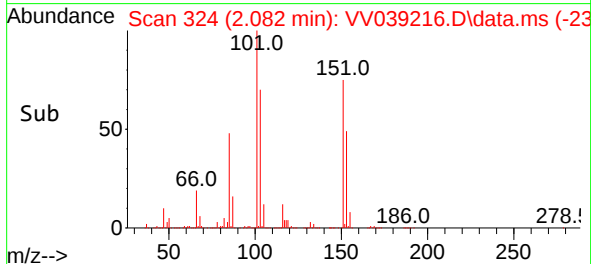
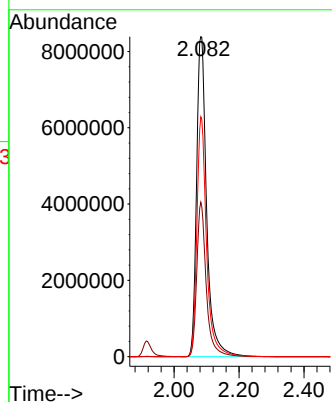
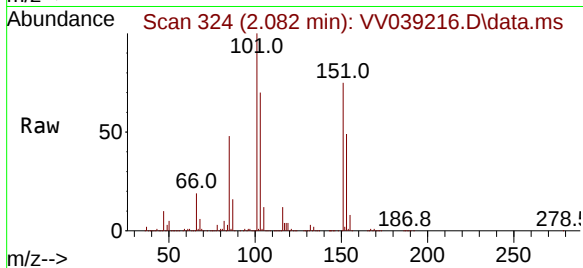




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 3471.017 ug/l
 RT: 2.082 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV039216.D
 Acq: 26 Sep 2025 16:28

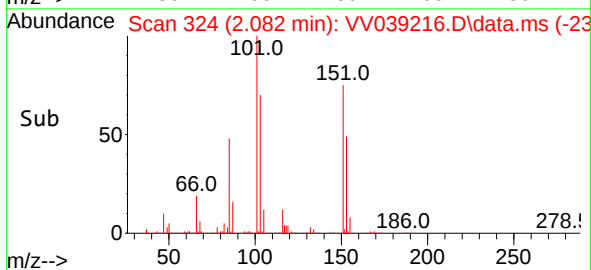
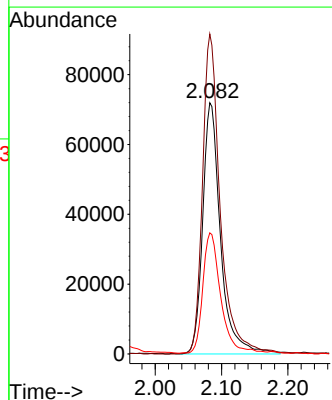
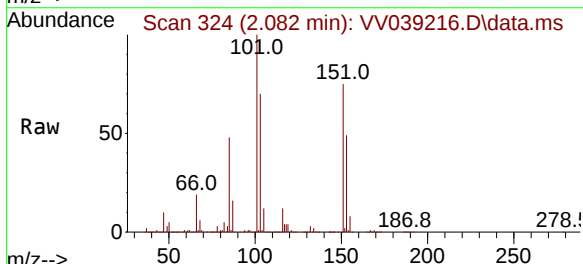
Instrument :
 MSVOA_V
 ClientSampleId :
 MW-31D-091825-FD

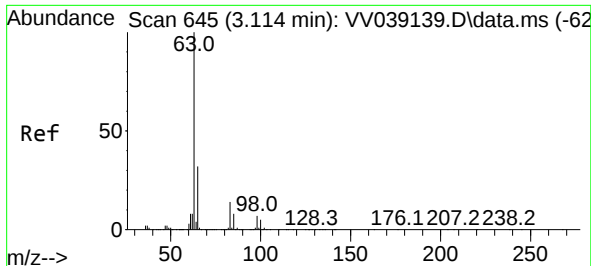
Tgt Ion:101 Resp:18130416
 Ion Ratio Lower Upper
 101 100
 85 45.5 36.2 54.2
 151 72.5 56.3 84.5



#12
 1,1-Dichloroethene
 Concen: 26.759 ug/l
 RT: 2.082 min Scan# 324
 Delta R.T. 0.000 min
 Lab File: VV039216.D
 Acq: 26 Sep 2025 16:28

Tgt Ion: 96 Resp: 134462
 Ion Ratio Lower Upper
 96 100
 61 127.3 136.0 204.0#
 98 47.9 51.0 76.6#

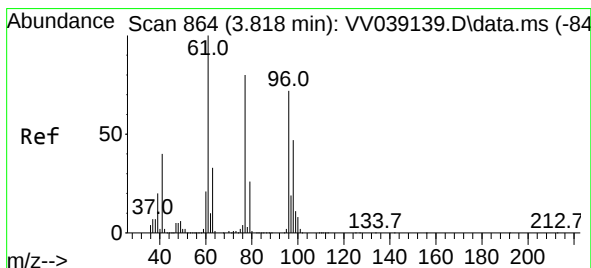
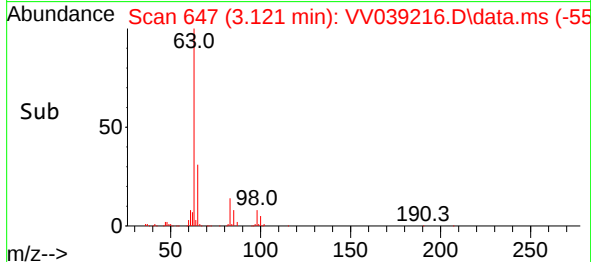
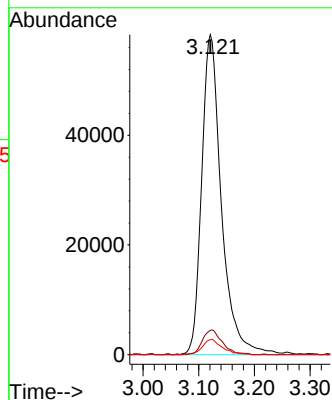
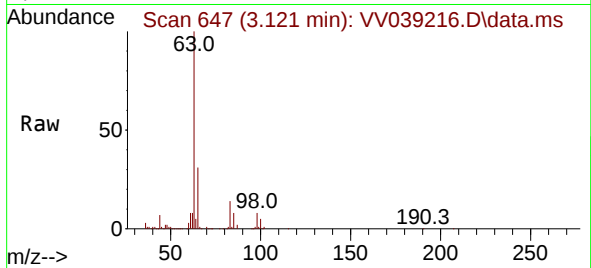




#24
1,1-Dichloroethane
Concen: 13.698 ug/l
RT: 3.121 min Scan# 645
Delta R.T. 0.006 min
Lab File: VV039216.D
Acq: 26 Sep 2025 16:28

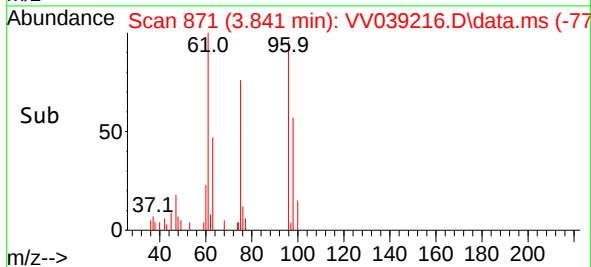
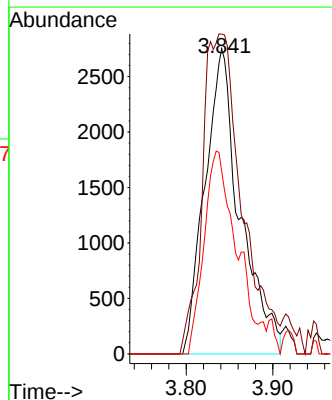
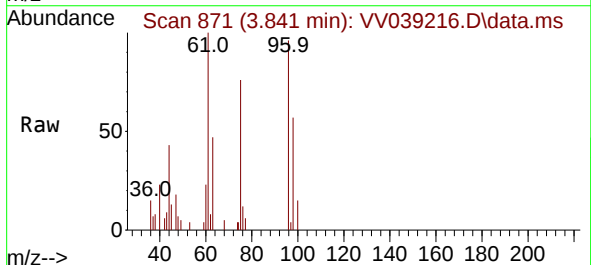
Instrument :
MSVOA_V
ClientSampleId :
MW-31D-091825-FD

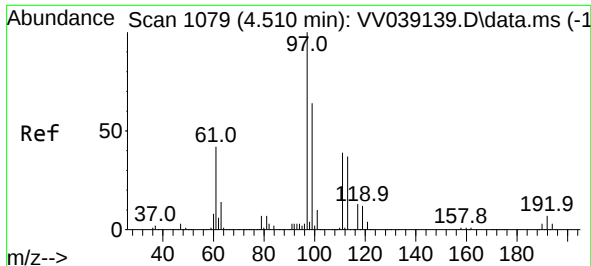
Tgt Ion: 63 Resp: 143864
Ion Ratio Lower Upper
63 100
98 7.6 3.4 10.2
100 4.7 2.2 6.6



#27
cis-1,2-Dichloroethene
Concen: 1.319 ug/l
RT: 3.841 min Scan# 871
Delta R.T. 0.023 min
Lab File: VV039216.D
Acq: 26 Sep 2025 16:28

Tgt Ion: 96 Resp: 7783
Ion Ratio Lower Upper
96 100
61 117.3 0.0 286.4
98 62.2 0.0 126.6

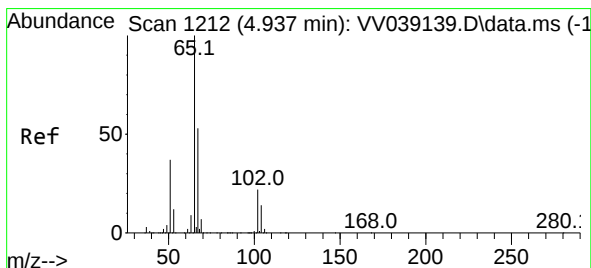
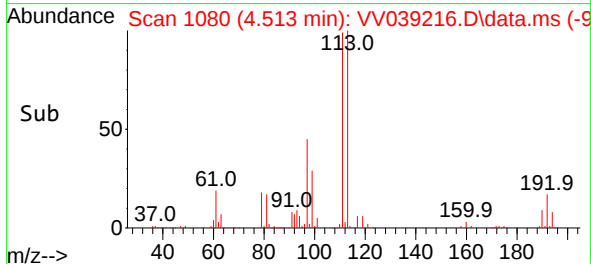
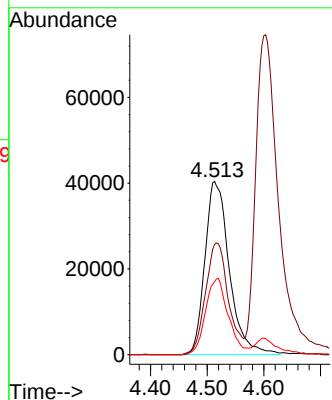
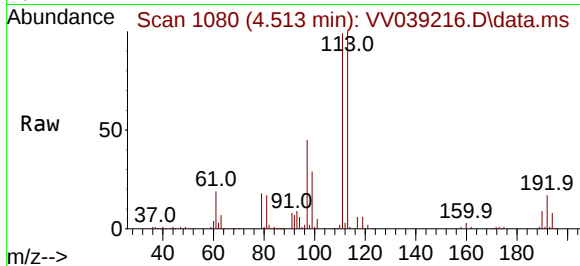




#32
1,1,1-Trichloroethane
Concen: 12.750 ug/l
RT: 4.513 min Scan# 1079
Delta R.T. 0.003 min
Lab File: VV039216.D
Acq: 26 Sep 2025 16:28

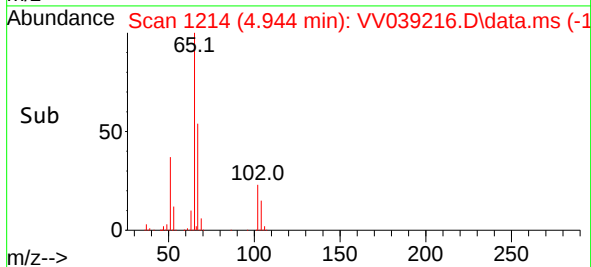
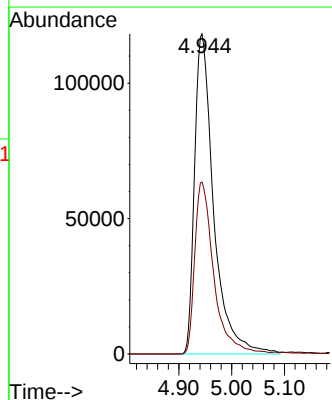
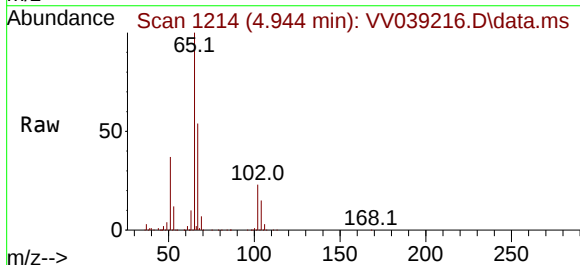
Instrument :
MSVOA_V
ClientSampleId :
MW-31D-091825-FD

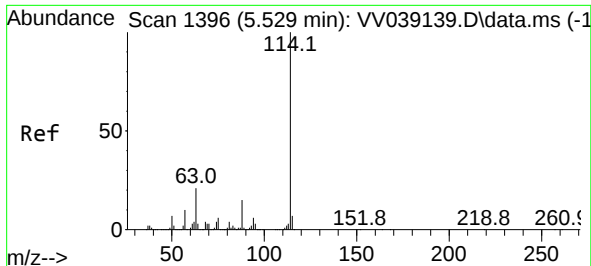
Tgt Ion: 97 Resp: 121055
Ion Ratio Lower Upper
97 100
99 60.2 49.6 74.4
61 41.1 34.5 51.7



#33
1,2-Dichloroethane-d4
Concen: 61.632 ug/l
RT: 4.944 min Scan# 1214
Delta R.T. 0.006 min
Lab File: VV039216.D
Acq: 26 Sep 2025 16:28

Tgt Ion: 65 Resp: 297286
Ion Ratio Lower Upper
65 100
67 53.5 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV039216.D

Acq: 26 Sep 2025 16:28

Instrument :

MSVOA_V

ClientSampleId :

MW-31D-091825-FD

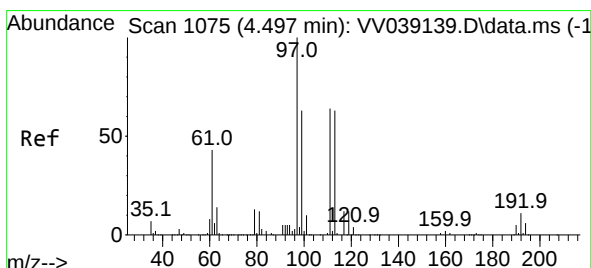
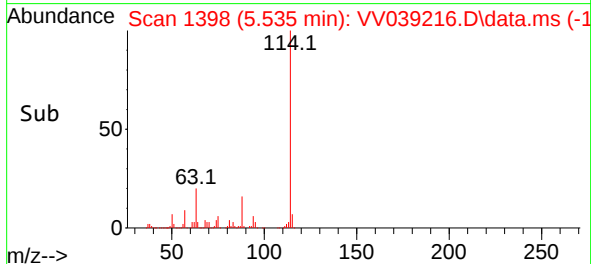
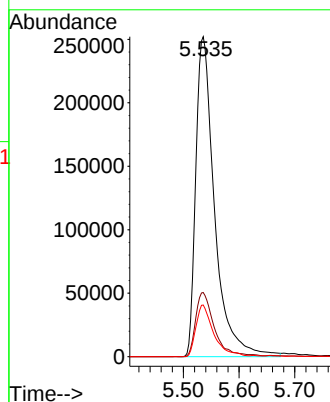
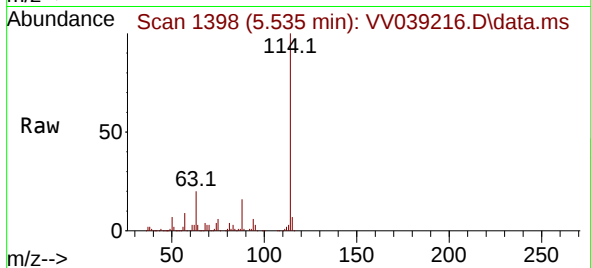
Tgt Ion:114 Resp: 591720

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

88 16.2 0.0 30.8



#35

Dibromofluoromethane

Concen: 58.421 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV039216.D

Acq: 26 Sep 2025 16:28

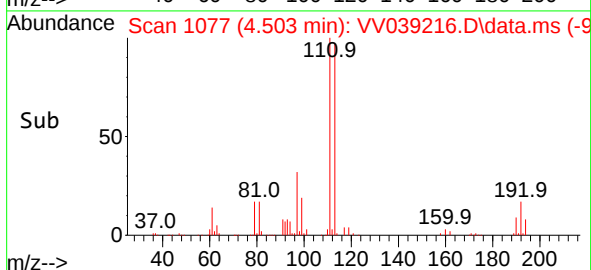
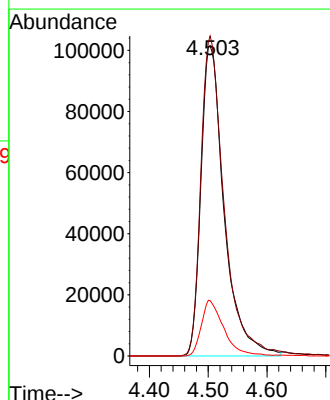
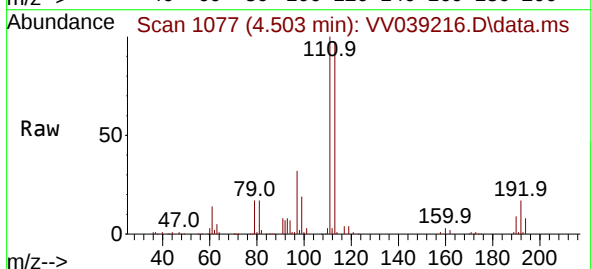
Tgt Ion:113 Resp: 277907

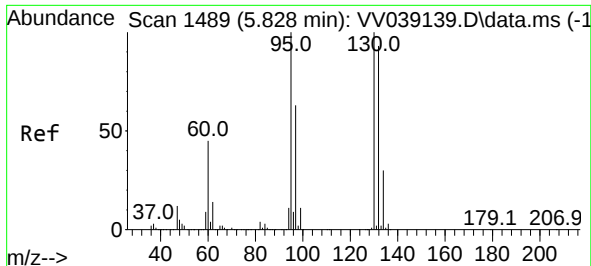
Ion Ratio Lower Upper

113 100

111 103.9 82.4 123.6

192 17.4 13.8 20.8

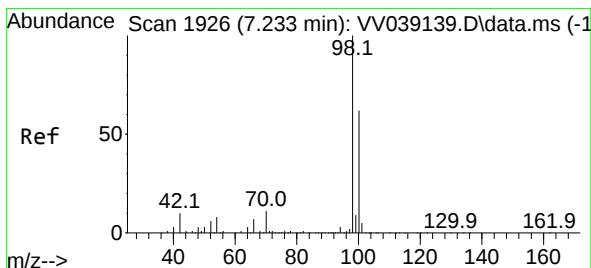
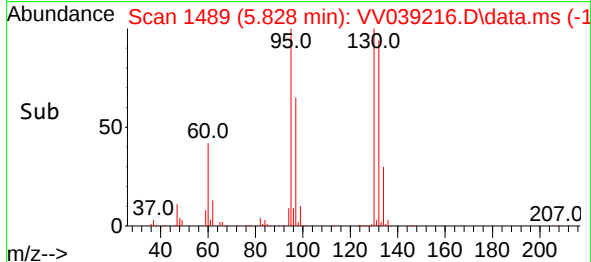
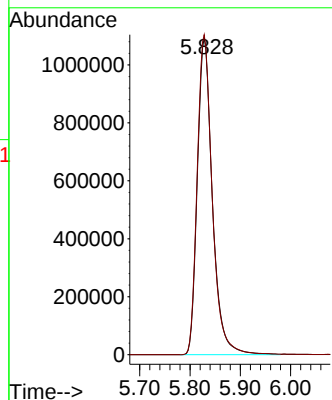
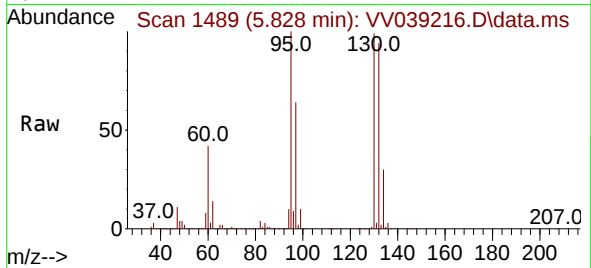




#44
 Trichloroethene
 Concen: 420.172 ug/l
 RT: 5.828 min Scan# 1489
 Delta R.T. 0.000 min
 Lab File: VV039216.D
 Acq: 26 Sep 2025 16:28

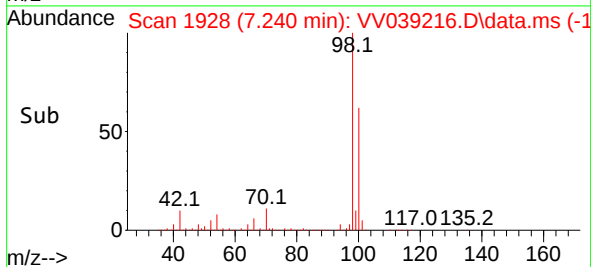
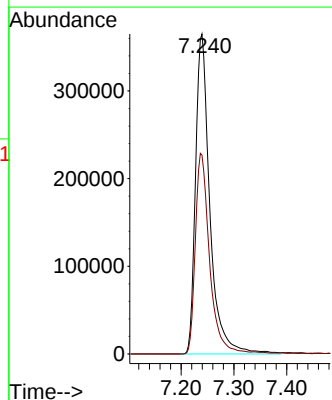
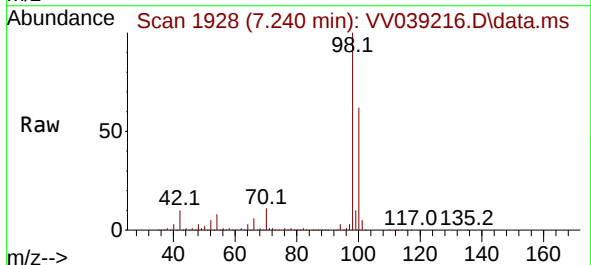
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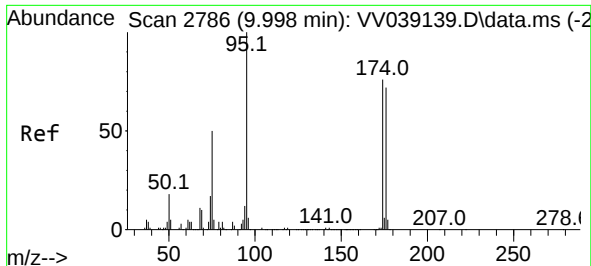
Tgt Ion:130 Resp: 2270715
 Ion Ratio Lower Upper
 130 100
 95 101.0 0.0 199.2



#50
 Toluene-d8
 Concen: 49.201 ug/l
 RT: 7.240 min Scan# 1928
 Delta R.T. 0.006 min
 Lab File: VV039216.D
 Acq: 26 Sep 2025 16:28

Tgt Ion: 98 Resp: 687399
 Ion Ratio Lower Upper
 98 100
 100 62.1 52.2 78.2

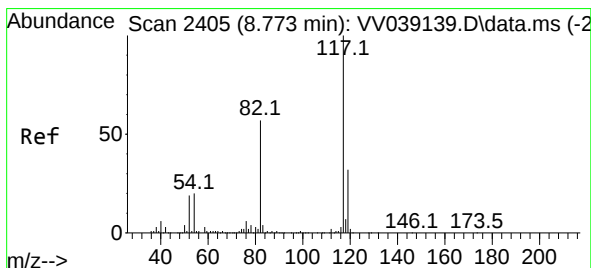
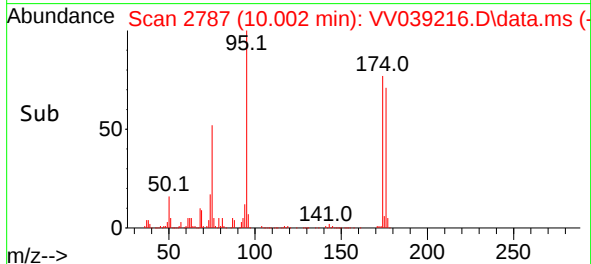
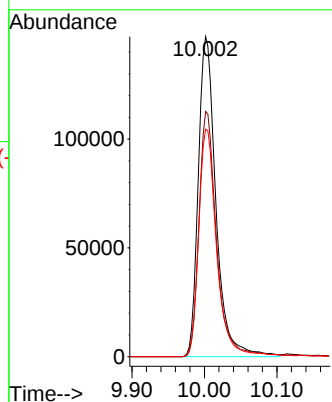
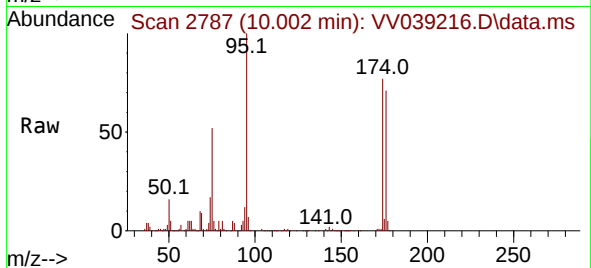




#62
4-Bromofluorobenzene
Concen: 43.284 ug/l
RT: 10.002 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039216.D
Acq: 26 Sep 2025 16:28

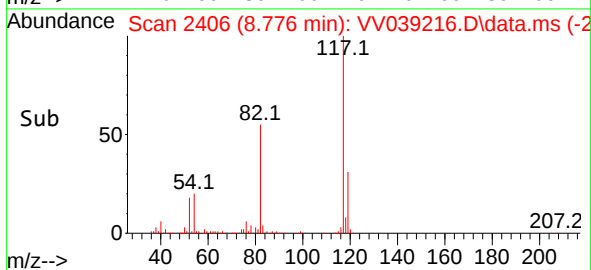
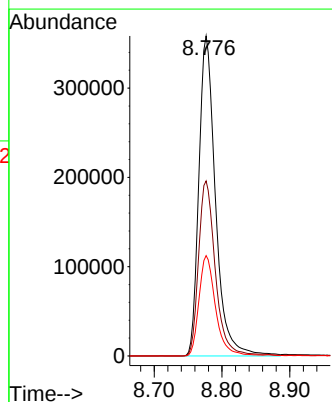
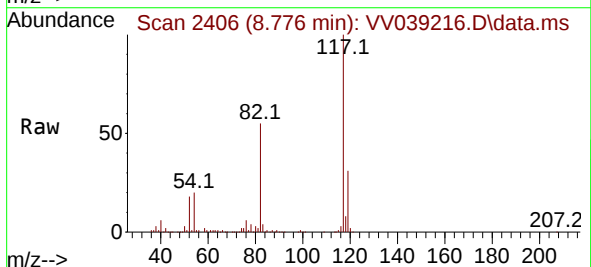
Instrument :
MSVOA_V
ClientSampleId :
MW-31D-091825-FD

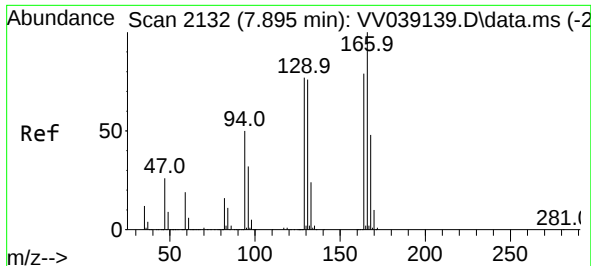
Tgt Ion: 95 Resp: 248948
Ion Ratio Lower Upper
95 100
174 76.4 0.0 150.4
176 72.3 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VV039216.D
Acq: 26 Sep 2025 16:28

Tgt Ion: 117 Resp: 612863
Ion Ratio Lower Upper
117 100
82 54.7 45.4 68.2
119 31.4 25.6 38.4

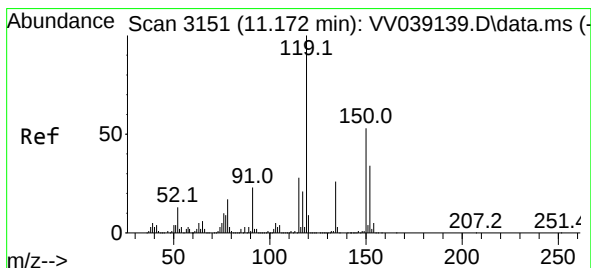
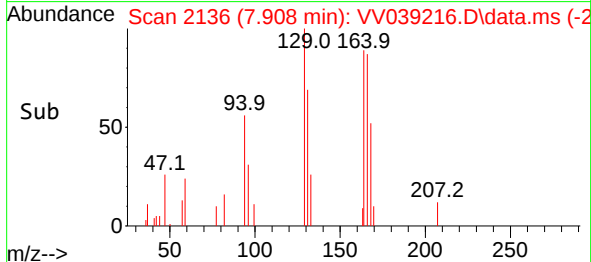
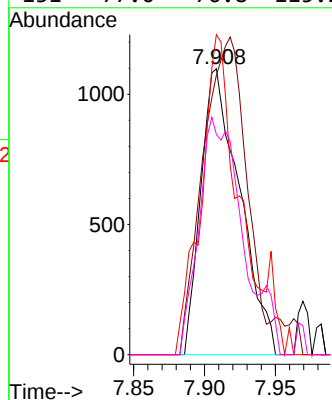
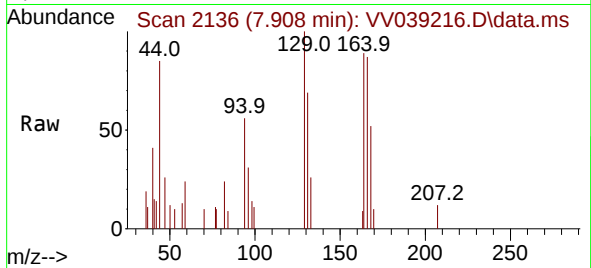




#64
Tetrachloroethene
Concen: 0.407 ug/l
RT: 7.908 min Scan# 2132
Delta R.T. 0.013 min
Lab File: VV039216.D
Acq: 26 Sep 2025 16:28

Instrument :
MSVOA_V
ClientSampleId :
MW-31D-091825-FD

Tgt Ion:164	Resp:	2091
Ion Ratio	Lower	Upper
164	100	
166	97.7	101.6 152.4#
129	101.8	78.5 117.7
131	77.0	76.8 115.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039216.D
Acq: 26 Sep 2025 16:28

Tgt Ion:152	Resp:	282611
Ion Ratio	Lower	Upper
152	100	
115	61.7	44.8 134.4
150	159.0	0.0 353.8

